

## PATENT ABSTRACTS OF JAPAN

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## (54) PILLAR AND BEAM JOINT PART CONSTRUCTION

## (57)Abstract:

PURPOSE: To improve the quality of a welded part by providing a slit at the beam joint part of a steel tube pillar, fitting a backing strip having a slit to the inside of the pillar and welding the edge part of a horizontal reinforcing plate using the backing strip.

CONSTITUTION: A slit 4 is provided at the beam joint part 2 of a steel tube pillar 1, and a backing strip 6 of L-type section having a slit is fitted to the inside of the aforesaid pillar 1. Then, a horizontal reinforcing plate 5 is inserted in the slit 4, and welded to thereto from the outside of the pillar 1 via the backing strip 6. In addition, a beam 3 is orthogonally fitted to the joint part 2.

According to the aforesaid construction, the fitting of the reinforcing plate 5 can be easily done, and the quality of a welded part can be improved.

